

1 LOCATION OF WATER WELL:		Fraction		Section Number		Township Number		Range Number																																																																																																	
County: <u>Butler</u>		<u>NE 1/4 NE 1/4 NW 1/4</u>		<u>27</u>		<u>T 26 S</u>		<u>R 7 EW</u>																																																																																																	
Distance and direction from nearest town or city street address of well if located within city? <u>1/4 mi. West, 3 mi. South, 1 1/2 mi. west of Rosalia, Kansas</u>																																																																																																									
2 WATER WELL OWNER: <u>Thomas W. Hackler</u>																																																																																																									
RR#, St. Address, Box #: <u>Rural Route #2</u> Board of Agriculture, Division of Water Resources																																																																																																									
City, State, ZIP Code: <u>El Dorado, Kans. 67042</u> Application Number:																																																																																																									
3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:					4 DEPTH OF COMPLETED WELL: <u>165</u> ft. ELEVATION:																																																																																																				
					Depth(s) Groundwater Encountered 1. <u>35</u> ft. 2. ft. 3. ft.																																																																																																				
					WELL'S STATIC WATER LEVEL <u>29</u> ft. below land surface measured on mo/day/yr <u>12/1/80</u>																																																																																																				
					Pump test data: Well water was ft. after hours pumping gpm																																																																																																				
					Est. Yield <u>45</u> gpm Well water was ft. after hours pumping gpm																																																																																																				
Bore Hole Diameter: <u>15</u> in. to <u>15</u> ft., and <u>11</u> in. to <u>165</u> ft.																																																																																																									
WELL WATER TO BE USED AS:					5 Public water supply    8 Air conditioning    11 Injection well ① Domestic    3 Feedlot    6 Oil field water supply    9 Dewatering    12 Other (Specify below) 2 Irrigation    4 Industrial    7 Lawn and garden only    10 Observation well																																																																																																				
Was a chemical/bacteriological sample submitted to Department? Yes..... No <u>X</u> ..... If yes, mo/day/yr sample was submitted																																																																																																									
Water Well Disinfected? Yes <u>X</u> No																																																																																																									
5 TYPE OF BLANK CASING USED:																																																																																																									
1 Steel    3 RMP (SR)    5 Wrought iron    8 Concrete tile    CASING JOINTS: Glued <u>X</u> Clamped ② PVC    4 ABS    6 Asbestos-Cement    9 Other (specify below)    Welded 7 Fiberglass    Threaded																																																																																																									
Blank casing diameter <u>10</u> in. to <u>34</u> ft., Dia. in. to ft., Dia. in. to ft.																																																																																																									
Casing height above land surface: <u>24</u> in., weight <u>160</u> lbs./ft. Wall thickness or gauge No. <u>SDR 26</u>																																																																																																									
TYPE OF SCREEN OR PERFORATION MATERIAL:																																																																																																									
1 Steel    3 Stainless steel    5 Fiberglass    7 PVC    10 Asbestos-cement 2 Brass    4 Galvanized steel    6 Concrete tile    8 RMP (SR)    11 Other (specify) ⑫ None used (open hole)																																																																																																									
SCREEN OR PERFORATION OPENINGS ARE:																																																																																																									
1 Continuous slot    3 Mill slot    5 Gauzed wrapped    8 Saw cut    11 None (open hole) 2 Louvered shutter    4 Key punched    6 Wire wrapped    9 Drilled holes 7 Torch cut    10 Other (specify) <u>NONE</u>																																																																																																									
SCREEN-PERFORATED INTERVALS: From ft. to ft., From ft. to ft., From ft. to ft.																																																																																																									
GRAVEL PACK INTERVALS: From <u>15</u> ft. to <u>34</u> ft., From ft. to ft., From ft. to ft.																																																																																																									
6 GROUT MATERIAL: ① Neat cement    2 Cement grout    3 Bentonite    4 Other																																																																																																									
Grout Intervals: From <u>4</u> ft. to <u>15</u> ft., From ft. to ft., From ft. to ft.																																																																																																									
What is the nearest source of possible contamination:																																																																																																									
1 Septic tank    4 Lateral lines    7 Pit privy    ⑩ Livestock pens    14 Abandoned water well 2 Sewer lines    5 Cess pool    8 Sewage lagoon    ⑪ Fuel storage    15 Oil well/Gas well 3 Watertight sewer lines    6 Seepage pit    9 Feedyard    12 Fertilizer storage    16 Other (specify below) 13 Insecticide storage																																																																																																									
Direction from well? <u>South west</u> How many feet? <u>75'</u>																																																																																																									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>FROM</th> <th>TO</th> <th>LITHOLOGIC LOG</th> <th>FROM</th> <th>TO</th> <th>LITHOLOGIC LOG</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>2'</td> <td>Soil</td> <td>125'</td> <td>130'</td> <td>Limestone</td> </tr> <tr> <td>2'</td> <td>7'</td> <td>Clay</td> <td>130'</td> <td>140'</td> <td>gray shale</td> </tr> <tr> <td>7'</td> <td>10'</td> <td>Broken Limestone</td> <td>140'</td> <td>145'</td> <td>Red Bed</td> </tr> <tr> <td>10'</td> <td>16'</td> <td>Limestone soft</td> <td>145'</td> <td>150'</td> <td>Blue limestone</td> </tr> <tr> <td>16'</td> <td>25'</td> <td>Blue limestone</td> <td>150'</td> <td>160'</td> <td>Soft limestone</td> </tr> <tr> <td>25'</td> <td>35'</td> <td>Soft limestone</td> <td>160'</td> <td>165'</td> <td>blue shale</td> </tr> <tr> <td>35'</td> <td>35'</td> <td>Continued aquifer</td> <td></td> <td></td> <td></td> </tr> <tr> <td>35'</td> <td>40'</td> <td>Limestone</td> <td></td> <td></td> <td></td> </tr> <tr> <td>40'</td> <td>45'</td> <td>blue shale</td> <td></td> <td></td> <td></td> </tr> <tr> <td>45'</td> <td>55'</td> <td>gray shale</td> <td></td> <td></td> <td></td> </tr> <tr> <td>55'</td> <td>57'</td> <td>Red Bed</td> <td></td> <td></td> <td></td> </tr> <tr> <td>57'</td> <td>95'</td> <td>Blue Limestone</td> <td></td> <td></td> <td></td> </tr> <tr> <td>95'</td> <td>110'</td> <td>blue shale</td> <td></td> <td></td> <td></td> </tr> <tr> <td>110'</td> <td>115'</td> <td>limestone</td> <td></td> <td></td> <td></td> </tr> <tr> <td>115'</td> <td>125'</td> <td>blue shale</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>										FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG	0	2'	Soil	125'	130'	Limestone	2'	7'	Clay	130'	140'	gray shale	7'	10'	Broken Limestone	140'	145'	Red Bed	10'	16'	Limestone soft	145'	150'	Blue limestone	16'	25'	Blue limestone	150'	160'	Soft limestone	25'	35'	Soft limestone	160'	165'	blue shale	35'	35'	Continued aquifer				35'	40'	Limestone				40'	45'	blue shale				45'	55'	gray shale				55'	57'	Red Bed				57'	95'	Blue Limestone				95'	110'	blue shale				110'	115'	limestone				115'	125'	blue shale			
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7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) <u>11/1/80</u> and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. <u>413</u> This Water Well Record was completed on (mo/day/yr) <u>5/5/81</u> under the business name of <u>Tumble Weed Drilling</u> by (signature) <u>Thomas W. Hackler</u>																																																																																																									
INSTRUCTIONS: Use typewriter or ball point pen, PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Division of Environment, Environmental Geology Section, Topeka, KS 66620. Send one to WATER WELL OWNER and retain one for your records.																																																																																																									